9A3 Permeation routes of fosfomycin across small intestinal membrane.
Ishizawa Takayuki, Masahiro Hayashi and Shoji Awazu
Tokyo College of Pharmacy, Hachioji, Tokyo, Japan.

9A13 Effect of erythrocyte uptake on the cyclo-sporin (CyA) kinetics.
Kawai R., P. Misslin, C. Schluep and M. Lemaire
Biopharmaceutical Department, Drug Safety Assessment, Sandoz AG, CH-4002 Basel, Switzerland.

9A5 Mechanism of slow releasing of haloperidol after intramuscular injection of haloperidol decanoate.
Oh-e Yoshinori, Hisashi Miyazaki, Keiko Nambu, Yoshimasa Matsunaga and Masahisa Hashimoto
Research Laboratories, Dainippon Pharmaceutical Co. Ltd., Osaka, Japan.

9A9 Percutaneous absorption of volatile chemicals in the rat.
Stewart F.P., S.A. Kőrösi, M. Froggatt and R. Hopkins
Hazleton UK, Otley Road, Harrogate, North Yorkshire, HG3 1PY, UK.

9A14 Renal handling of a new thromboxane synthetase inhibitor (DP-1904) in the rat.
Tanaka M., R. Sabra, R.A. Branch and G.R. Wilkinson
Dept. of Pharmacology, Vanderbilt University, Nashville, TN 37232, USA.

9A4 Characteristics of oral LYM-X-SORB/drug delivery systems.
Yesair David W.
BioMolecular Products Inc., P.O. Box 347, Byfield, MA 01922, USA.

9A12 Study of the deposition of a radiolabelled compound following administration as an aerosol to laboratory rats.
Young C.G., D. Donnell* and A.M. Johnston
Inveresk Research International Ltd., Tranent, Scotland, and * 3M Health Care Ltd., Loughborough, UK.

11. Metabolism of Peptides and Proteins (11A1 - 11A5)

11A1 Identification of the metabolites of ICI 118,630.
Barnfield David, Eddie Clayton and **Alan Warrander**
ICI Pharmaceuticals, Alderley Park, Macclesfield, Cheshire, SK10 4TG, UK.

11A2 Comparative pharmacokinetics of recombinant soluble CD4 (ST4) in rats following single intravenous, subcutaneous, intramuscular, and intraperitoneal administration.
Crysler Carl, James Urbanski and Kei-Lai L. Fong
Dept. of Drug Metabolism and Pharmacokinetics, L-720, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406, USA.

11A3 Disposition of metabolically labeled tritiated soluble CD4 (ST4) in rats following intravenous (IV) and subcutaneous (SC) administration.
Davis Charles B., Kathleen E. Boyle, James Urbanski and Kei-Lai L. Fong
Dept. of Drug Metabolism and Pharmacokinetics, L-720, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406, USA.

11A4 Turnover of novel modified tissue plasminogen activator (E6010) in rabbits.
Mizuo Histoshi, Kaori Hata, teruali Yuzuriha, Tadashi Sato
Tsukuba Research Laboratories, Eisai Co., Ltd., Ibaraki, Japan.

11A5 Metabolism of ICI 118,630 by isolated perfused liver and kidney.
Warrander Alan, Peter Simons, Gerlad Curtis*, Helen Hughes* and Brian Shuker
ICI Pharmaceuticals, Alderley Park, Macclesfield, SK10 4TG, UK; * Dept. of Biochemistry, University of Wales, Cardiff, CF1 1ST, UK.

12. Carcinogens and Biomonitoring (12A1 - 12A14)

12A3 Biomonitoring of occupational exposure to 4, 4'-methylenedianiline by the GC-MS determination of adducts to haemoglobin.
Bailey Eric, Allan G. Brooks, Peter B. Farmer and Brian Street
MRC Toxicology Unit, Medical Research Laboratories, Woodmansterne Road, Carshalton, Surrey SM5 4EF, UK.

12A4 Chemical and xenobiochemical studies on aflatoxins and aflatoxin models.
Bujons J.*, F. Sánchez-Baeza*, M. Casellas^, A.M. Solanas^ and **A. Messeguer***
* Dept. Biological Organic Chemistry, CID, CSIC, J. Girona 18, E-08034 Barcelona, Spain.
^ Dept. Microbiology, University of Barcelona, Diagonal 645, E-08028 Barcelona, Spain.

12A6 Influence of modulators of sulfation on the genotoxicity of methyleugenol (ME) in 1'-hydroxymethyleugenol (HME) in rat hepatocytes.
Chan V.S.W. and J. Caldwell
Dept. of Pharmacology and Toxicology, St. Mary's Hospital Medical School (Imperial College), London W2 1PG, UK.

12A7 Sodium nitrite- and sodium sulfite-stimulated metabolic activation of benzo(a)pyrene-7,8-dihydrodiol in human polymorphonuclear leukocytes.
Constantin D., B. Jernström and P. Moldéus
Department of Toxicology, Karolinska In-stitutet, Box 60400, S-104 01 Stockholm, Sweden.

12A14 Study of the mutagenicity of 2-methylpropene (isobutene) and its epoxide in the Ames assay, modified for volatile compounds.
Cornet M., P. Castelain*, R. Laib^, A. Vercruysse and V. Rogiers
Dept. of Toxicology, Vrije Universiteit Brussel, Laarbeeklaan 103, B-1090 Brussels, Belgium; * Dept. of Anthropogenetics, Vrije Universiteit Brussel, Pleinlaan 2, B-1050 Brussels, Belgium; ^ Institut für Arbeits-physiologie, Ardey-Straße 67, B-4600 Dortmund, Germany.

12A12 Selective, growth-dependent induction of GST-Yp by carcinogens in cultured hepatocytes.
Gebhardt Rolf
Physiologisch-chemisches Institut, D-7400 Tübingen, FRG.

12A1 Interindividual differences in metabolism and stereochemical effects influence biomonitoring of styrene.
Goergens H.W.*, M. Linscheid^, M. Korn°, K. Golka, H. Peter and E. Hallier
* Arbeitsmed. Zentrum, TÜV Rheinl., Friedr.-Engels-Allee 346, D-5600 Wuppertal 2, FRG; ^ Institut für Spektrochemie, Bunsen-Kirchhoff-Straße 2, D-4600 Dortmund, FRG; ° Inst. f. Arbeits- und Sozial-medizin, Wilhelm-Straße 27, D-7400 Tübingen 1, FRG; Inst. f. Arbeitsphysiologie, Ardey-Straße 67, D-4600 Dortmund, FRG

12A8 *In vivo* conversion of benzo(a)pyrene-7,8-dihydrodiol to 7-hydroxybenzo(a)pyrene in the American lobster.
James Margaret O.
University of Florida, Gainesville, FL, USA.

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12A5 Formation of aflatoxin B1-DNA adducts in vivo in rat liver sinusoidal cells.
Jennings Gary S., Franz Oesch and Pablo Steinberg
Institute of Toxicology, University of Mainz, D-6500 Mainz, FRG.

12A2 Determination of styrene-7,8-oxide in human blood: a sensitive biological monitoring of styrene exposure?
Kom M., E. Pocsiadlik and W. Gfrörer
Institut für Arbeits- und Sozialmedizin, Wilhelm-Straße 27, D-7400 Tübingen, FRG.

12A9 Fate of benzo(a)pyrene 7,8-dihydrodiol-9, 10-epoxide (BPDE) in infant Swiss Webster mice.
Kwei Gloria Y., Jan Zaleski, Ronald G. Thurman* and Frederick C. Kaufmann
Rutgers University, New Jersey, USA and *University of North Carolina, USA.

12A11 Formation of DNA-adducts of various aromatic hydroxamic acids and hydroxylamines by sulfotransferase activity in rat liver.
Meerman J.H.N., M.L.M. van de Poll and R.A.H.J. Gilissen
Division of Toxicology, Center for Bio-Pharmaceutical Sciences, University of Leyden, Leyden, The Netherlands.

12A13 Cytogenetic effects (SCE) and mutagenicity of 2-chloro-1,3-butadiene (chloroprene).
Westphal G., Elke Turner, H. Karels and H. Peter
Institute of Occupational Health, University Dortmund, Ardey-Straße 67, D-4600 Dortmund, FRG.

12A10 Bioactivation and covalent binding of 7-hydroxy2-nitrofluorene in the rat in vivo and in vitro.
Wierckx Frank C.J., Anja J.M. Timmers-Reker, John H.N. Meerman and Gerard J. Mulder
Division of Toxicology, Center for Bio-Phar-maceutical Sciences, University of Leyden, Leyden, The Netherlands.

13. Metabolism of Metal-containing Drugs and Metal Ions (13A1 - 13A4)

13A1 The influence of the aqueous solution chemistry of some cisplatin-analogues on their *in vitro* cytotoxic activities.
Bednarski Patrick J.
Institut pharm. Chemie, Universität Regensburg, D-8400 Regensburg, FRG.

13A2 The GSH protection against the mercuric chloride toxicity in various organs in mouse: effect on GSH-dependent enzymes.
Di Simplicio Paolo, Rita Vignani and Massimo Gorelli
Dept. of Environmental Biology, University of Siena, Italy.

13A3 Fe(III)-containing hepatobiliary contrast agents for magnetic resonance imaging.
Hoener Betty-ann and David L. White
Depts. of Pharamcy and Radiology, University ofCalifornia, San Francisco, CA 94143, USA.
Effects of cobalt and manganese in liver and
13A4 kidney of rat.
Prakash Ram
Dept. Biosciences, Jamia Millia Islamia - CentralUniversity, New Delhi-110025, India.

Social Events:

Monday 24 June 1991 21.00 - 22.30
Get-Together

Meet your friends and colleagues during the informal get-together in the Auditorium Hall

Tuesday 25 June 1991 17.30 - 20.00
Welcoming reception

A reception will be given by the Mayor and Aldermen of Amsterdam in the "Scheepvaart Museum" (Naval Museum).
Transport to the museum is by boat, with a pleasant detour covering part of Amsterdam's delightful canals. Boats depart at 17.30 sharp from a quai at the Parnassusweg, close to the University buildings.

Thursday 27 June 1991 19.00 - 23.00
Conference Dinner

In the Amsterdam town centre, behind a characteristic 17th century facade, is the Breughelhuys, a restaurant where excellent food is served in a rich atmosphere of informal, old Dutch hospitality. Don't miss this dinner, it will prove an event worth remembering.

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Programme forAccompanying persons

Tuesday 25 June 1991 9.30 - 15.00

Amsterdam City Tour

You will see most of Amsterdam's architectural highlights by coach, visit the Rijksmuseum and a diamond cutting establishment. After lunch, a boat trip through the canals will complete the overview of the historic city.
Price Dfl. 90.- per person.

Wednesday 26 June 1991 09.30 - 18.00

Grand Holland Tour

The coach takes you to the Aalsmeer flower auction; next to the Hague, the seat of the government, where you will visit "Panorama Mesdag", one of the world's largest paintings; further to Delft, with a visit of a ceramics factory.
Lunch included.
Price Dfl. 90.- per person.

Thursday 27 June 1991 13.00-17.00

Castle "De Haar", Vecht river tour

Along the banks of the Vecht river, lined by mansions, farms and picturesque villages, you will visit "De Haar" a magnificent castle rebuilt on medieval foundations in 1892 with Rothschild money.
Price Dfl. 40.- per person.

Friday 28 June 1991 09.00-13.00

Alkmaar/Zaanse Schans Tour

Visit of the Alkmaar Cheese Market, followed by an excursion to a windmill and clog workshop near Zaandam.
Price Dfl. 40.- per person.

Tours attracting less than 25 participants may be cancelled, in which case refunds will be made.

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Exhibition

The following exhibitors will be present

Charles River - FRG

Hazleton U.K Ltd. - UK

Hope Farms B.V. - NL

Huntingdon Research Centre Ltd.- UK

Inveresk Research International - UK

Life Science Research - UK

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We wish to thank the following organizations for their financial support

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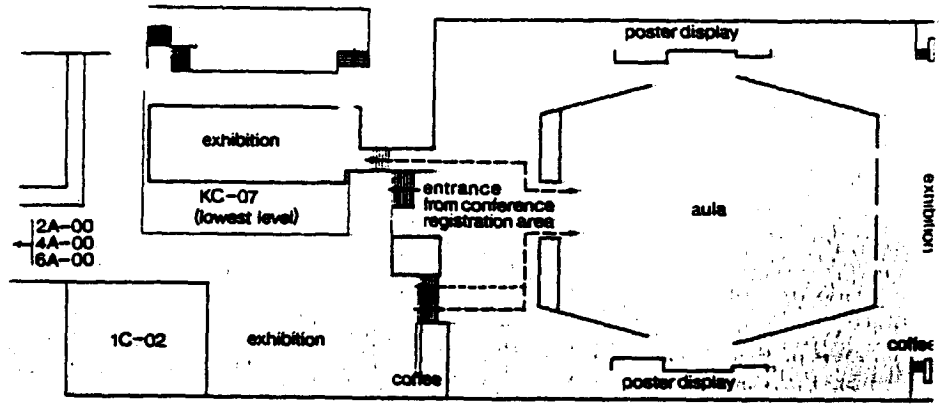
Free University, Amsterdam



Rooms are numbered according to the following scheme:
4(floor) A(wing) - 08(room)

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